

surface of the board 22, i.e., the surface of the board 22 which does not have the key switches. The power source battery comprises a paper-like battery in the above embodiment but can be replaced with a solar cell.

The intelligent card has the identification and compact calculator functions, so that the public consumers will appreciate that the intelligent card is a good buy. Since the IC chips and the metal contacts are mounted on the insulating base which is then mounted on a metal plate having larger flexibility than the insulating base, the IC chips and the metal contacts can be properly mounted with high mechanical strength protecting against an external impact and load, thus providing great practical advantages.

What is claimed is:

1. An intelligent card, comprising:

input means including a keyboard for entering identification information;

first memory means for storing the identification information entered by said input means;

second memory means for storing predetermined identification information;

means for performing a collation of the identification information stored in said first and said second memory means and for producing a corresponding collation result signal;

means for outputting a signal representing a collation result generated from said collation performing means;

means for storing time-related intelligent card validity data;

means for comparing calendar data with the validity data;

means for displaying a comparison result obtained by said data comparing means;

power source means for supplying electric power to all of said means; and

card sheet means for containing all of said means in the form of a card body.

2. A card according to claim 1, comprising:

a thin flat card base forming a part of said card sheet means;

said outputting means being arranged on said card base; and

said power source means being arranged in said card base.

3. A card according to claim 2, wherein said outputting means includes a display device, and a surface of said display device extends upward from an upper surface of said card base.

4. A card according to claim 3, wherein said outputting means includes display control means for displaying input identification information on said display device, and means for clearing the input identification information displayed on said display device and for displaying a collation result corresponding to said result signal on said display device.

5. A card according to claim 3, further comprising means for detecting that a predetermined period of time has elapsed after the collation result of said collation performing means is displayed, and means for clearing a displayed content in response to an output from said detecting means.

6. A card according to claim 3, further comprising: second counting means for counting a number of digits of the identification information entered from said input means;

discriminating means for discriminating whether or not the count of said second counting means has reached a number of digits corresponding to said identification information stored in said second memory means; and

display inhibiting means for inhibiting display of said display device in accordance with a discrimination result of said discriminating means.

7. A card according to claim 1, wherein said second memory means includes an erasable and programmable nonvolatile memory circuit.

8. A card according to claim 7, wherein said second memory means includes a first memory area for storing the predetermined identification information and a second memory area for accumulating a number of times of noncoincidence between the identification information stored in said first and said second memory means when the identification information is compared by said collation performing means.

9. A card according to claim 8, wherein said collating performing means includes flag data outputting means for outputting card invalid flag data when the number of times of noncoincidence exceeds a predetermined value, and said second memory means has a third memory area for storing the card invalid flag data.

10. A card according to claim 2, wherein said collation performing means includes means for comparing the contents of said first and said second memory means.

11. A card according to claim 10, further comprising: first counting means for counting number of times of noncoincidence detected by said collation performing means; detecting means for detecting whether or not a count of said first counting means has reached a predetermined value; and means for invalidating said intelligent card when the count has reached the predetermined value.

12. A card according to claim 11, wherein said second memory means includes an erasable and programmable nonvolatile memory circuit, and the count of said first counting means is stored in said nonvolatile memory circuit.

13. A card according to claim 1, wherein said keyboard of said input means includes a plurality of alphanumeric keys for entering the identification information and an instruction key for instructing card identification, and said collation performing means includes means for comparing the contents of said first and said second memory means and for storing the input identification information in said first memory means when the input identification information is entered while said instruction key is in a depressed state.

14. A card according to claim 1, further comprising: reference clock signal generating means for generating a reference clock signal;

means for outputting at least one of time data and calendar data by counting said reference clock signal; and

means for displaying at least one of the time data and the calendar data.

15. A card according to claim 1, further comprising: means for calculating the number of remaining valid days up to an expiration date; and means for supplying a flickering display signal to said display means when the number of remaining valid days is less than a predetermined number.